

ABSTRACT OF THE DISCLOSURE

An image pickup apparatus which can suppress appearance of a parallax between images picked up by multiple cameras is disclosed. The image pickup apparatus includes several video cameras for individually picking up images of a number of divisional image pickup objects of an image pickup object extending over a wide range. A processing section is provided for receiving image information from the video cameras and processing the image information to produce a single image by stitching images presented by the image information. A lens set including a number of lenses is provided in a lens barrel of each of the video cameras and has an aperture stop interposed therein. In one of the video camera, a straight line component in an object space of a principal ray which passes the center of the aperture stop and is positioned in a Gauss region is extended, and a point at which the extension intersects with the optical axis of the lens set is set as a first non-parallax point. The lens sets of the other video cameras are disposed such that such non-parallax points thereof are positioned within a spherical region of a radius of approximately 20 mm centered at the first non-parallax point.